

PROMPTED

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TAKEN
03/31/2003

1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/909,164

DATE: 03/31/2003

TIME: 09:34:26

Input Set : A:\seqlist.txt
 Output Set: N:\CRF4\03312003\I909164.raw

3 <110> APPLICANT: Corvas International, Inc.
 4 Lim-Wilby, Marguerita
 5 Levy, Odile E
 6 Brunck, Terence K
 8 <120> TITLE OF INVENTION: NOVEL PEPTIDES AS NS-3-SERINE PROTEASE INHIBITORS OF
 HEPATITIS C VIRUS
 10 <130> FILE REFERENCE: IN01192-US
 12 <140> CURRENT APPLICATION NUMBER: 09/909,164
C--> 13 <141> CURRENT FILING DATE: 2003-03-25
 15 <150> PRIOR APPLICATION NUMBER: 60/220,101
 16 <151> PRIOR FILING DATE: 2000-07-21
 18 <160> NUMBER OF SEQ ID NOS: 62
 20 <170> SOFTWARE: PatentIn version 3.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 8
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Artificial Sequence
 27 <220> FEATURE:
 28 <223> OTHER INFORMATION: substrate peptide
 30 <220> FEATURE:
 31 <221> NAME/KEY: MOD_RES
 32 <222> LOCATION: (1)..(1)
 33 <223> OTHER INFORMATION: ACETYLATION
 36 <220> FEATURE:
 37 <221> NAME/KEY: MISC_FEATURE
 38 <223> OTHER INFORMATION: substrate peptide
 41 <220> FEATURE:
 42 <221> NAME/KEY: MISC_FEATURE
 43 <222> LOCATION: (7)..(7)
 44 <223> OTHER INFORMATION: Alanine or Proline
 47 <220> FEATURE:
 48 <221> NAME/KEY: MISC_FEATURE
 49 <222> LOCATION: (8)..(8)
 50 <223> OTHER INFORMATION: Norvaline
 53 <400> SEQUENCE: 1
W--> 55 Asp Thr Glu Asp Val Val Xaa Xaa
 56 1 5
 59 <210> SEQ ID NO: 2
 60 <211> LENGTH: 6
 61 <212> TYPE: PRT
 62 <213> ORGANISM: Artificial Sequence
 64 <220> FEATURE:
 65 <223> OTHER INFORMATION: competitive inhibitor peptide
 67 <220> FEATURE:

ENTERED

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Input Set : A:\seqlist.txt
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68 <221> NAME/KEY: MISC_FEATURE
69 <222> LOCATION: (2)..(2) //
70 <223> OTHER INFORMATION: gamma-carboxyglutamic acid (D-Gla)
73 <220> FEATURE:
74 <221> NAME/KEY: MISC_FEATURE
75 <222> LOCATION: (5)..(5) /
76 <223> OTHER INFORMATION: cyclohexyl alanine
79 <220> FEATURE:
80 <221> NAME/KEY: MOD_RES
81 <222> LOCATION: (1)..(1)
82 <223> OTHER INFORMATION: ACETYLATION
85 <400> SEQUENCE: 2

W--> 87 Asp Xaa Leu Ile Xaa Cys

88 1 5
91 <210> SEQ ID NO: 3
92 <211> LENGTH: 8
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: competitive inhibitor peptide
99 <220> FEATURE:
100 <221> NAME/KEY: MOD_RES
101 <222> LOCATION: (1)..(1)
102 <223> OTHER INFORMATION: ACETYLATION
105 <220> FEATURE:
106 <221> NAME/KEY: MISC_FEATURE
107 <222> LOCATION: (8)..(8) /
108 <223> OTHER INFORMATION: norvaline
111 <400> SEQUENCE: 3

W--> 113 Asp Thr Glu Asp Val Val Ala Xaa

114 1 5
117 <210> SEQ ID NO: 4
118 <211> LENGTH: 8
119 <212> TYPE: PRT
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: competitive inhibitor peptide
125 <220> FEATURE:
126 <221> NAME/KEY: MOD_RES
127 <222> LOCATION: (1)..(1)
128 <223> OTHER INFORMATION: ACETYLATION
131 <220> FEATURE:
132 <221> NAME/KEY: MISC_FEATURE
133 <222> LOCATION: (8)..(8) /
134 <223> OTHER INFORMATION: norvaline
137 <400> SEQUENCE: 4

W--> 139 Asp Thr Glu Asp Val Val Pro Xaa

140 1 5
143 <210> SEQ ID NO: 5

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144 <211> LENGTH: 11
145 <212> TYPE: PRT
146 <213> ORGANISM: artificial sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: 11-mer synthesized according to example 1
151 <220> FEATURE:
152 <221> NAME/KEY: MOD_RES
153 <222> LOCATION: (1)..(1)
154 <223> OTHER INFORMATION: ACETYLATION
157 <220> FEATURE:
158 <221> NAME/KEY: MISC_FEATURE
159 <222> LOCATION: (6)..(6)
160 <223> OTHER INFORMATION: norvaline-(CO)
163 <220> FEATURE:
164 <221> NAME/KEY: MOD_RES
165 <222> LOCATION: (11)..(11)
166 <223> OTHER INFORMATION: AMIDATION
169 <400> SEQUENCE: 5

w--> 171 Glu Glu Val Val Pro Xaa Gly Met Ser Tyr Ser

172 1 5 10

175 <210> SEQ ID NO: 6
176 <211> LENGTH: 11
177 <212> TYPE: PRT
178 <213> ORGANISM: artificial sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: 11-mer synthesized according to example 1
183 <220> FEATURE:
184 <221> NAME/KEY: MOD_RES
185 <222> LOCATION: (1)..(1)
186 <223> OTHER INFORMATION: ACETYLATION
189 <220> FEATURE:
190 <221> NAME/KEY: MISC_FEATURE
191 <222> LOCATION: (6)..(6)
192 <223> OTHER INFORMATION: norvaline-(CO)
195 <220> FEATURE:
196 <221> NAME/KEY: MISC_FEATURE
197 <222> LOCATION: (9)..(9)
198 <223> OTHER INFORMATION: D-amino acid
201 <220> FEATURE:
202 <221> NAME/KEY: MOD_RES
203 <222> LOCATION: (11)..(11)
204 <223> OTHER INFORMATION: AMIDATION
207 <400> SEQUENCE: 6

w--> 209 Glu Glu Val Val Pro Xaa Gly Met Ser Tyr Ser

210 1 5 10

213 <210> SEQ ID NO: 7
214 <211> LENGTH: 11
215 <212> TYPE: PRT
216 <213> ORGANISM: artificial sequence

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Input Set : A:\seqlist.txt
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218 <220> FEATURE:
219 <223> OTHER INFORMATION: 11-mer synthesized according to example 1
221 <220> FEATURE:
222 <221> NAME/KEY: MOD_RES
223 <222> LOCATION: (1)..(1)
224 <223> OTHER INFORMATION: ACETYLATION
227 <220> FEATURE:
228 <221> NAME/KEY: MISC_FEATURE
229 <222> LOCATION: (6)..(6)
230 <223> OTHER INFORMATION: norvaline-(CO)
233 <220> FEATURE:
234 <221> NAME/KEY: MISC_FEATURE
235 <222> LOCATION: (9)..(9)
236 <223> OTHER INFORMATION: D-amino acid
239 <220> FEATURE:
240 <221> NAME/KEY: MOD_RES
241 <222> LOCATION: (11)..(11)
242 <223> OTHER INFORMATION: AMIDATION
245 <400> SEQUENCE: 7

W--> 247 Glu Glu Val Val Pro Xaa Gly Met His Tyr Ser

248 1 5 10

251 <210> SEQ ID NO: 8
252 <211> LENGTH: 11
253 <212> TYPE: PRT
254 <213> ORGANISM: artificial sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: 11-mer synthesized according to example 1
259 <220> FEATURE:
260 <221> NAME/KEY: MOD_RES
261 <222> LOCATION: (1)..(1)
262 <223> OTHER INFORMATION: ACETYLATION
265 <220> FEATURE:
266 <221> NAME/KEY: MISC_FEATURE
267 <222> LOCATION: (6)..(6)
268 <223> OTHER INFORMATION: norvaline-(CO)
271 <220> FEATURE:
272 <221> NAME/KEY: MISC_FEATURE
273 <222> LOCATION: (9)..(9)
274 <223> OTHER INFORMATION: D-amino acid
277 <220> FEATURE:
278 <221> NAME/KEY: MOD_RES
279 <222> LOCATION: (11)..(11)
280 <223> OTHER INFORMATION: AMIDATION
283 <400> SEQUENCE: 8

W--> 285 Glu Glu Val Val Pro Xaa Gly Met Asp Tyr Ser

286 1 5 10

289 <210> SEQ ID NO: 9
290 <211> LENGTH: 11
291 <212> TYPE: PRT

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Input Set : A:\seqlist.txt
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292 <213> ORGANISM: artificial sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: 11-mer synthesized according to example 1
297 <220> FEATURE:
298 <221> NAME/KEY: MOD_RES
299 <222> LOCATION: (1)..(1)
300 <223> OTHER INFORMATION: ACETYLATION
303 <220> FEATURE:
304 <221> NAME/KEY: MOD_RES
305 <222> LOCATION: (11)..(11)
306 <223> OTHER INFORMATION: AMIDATION
309 <220> FEATURE:
310 <221> NAME/KEY: MISC_FEATURE
311 <222> LOCATION: (6)..(6) ✓
312 <223> OTHER INFORMATION: norvaline-(CO)
315 <220> FEATURE:
316 <221> NAME/KEY: MISC_FEATURE
317 <222> LOCATION: (8)..(8)
318 <223> OTHER INFORMATION: D-amino acid
321 <400> SEQUENCE: 9
W--> 323 Glu Glu Val Val Pro Xaa Gly Met Ser Tyr Ser
324 1 5 10
327 <210> SEQ ID NO: 10
328 <211> LENGTH: 11
329 <212> TYPE: PRT
330 <213> ORGANISM: artificial sequence
332 <220> FEATURE:
333 <223> OTHER INFORMATION: 11-mer synthesized according to example 1
335 <220> FEATURE:
336 <221> NAME/KEY: MOD_RES
337 <222> LOCATION: (1)..(1)
338 <223> OTHER INFORMATION: ACETYLATION
341 <220> FEATURE:
342 <221> NAME/KEY: MOD_RES
343 <222> LOCATION: (11)..(11)
344 <223> OTHER INFORMATION: AMIDATION
347 <220> FEATURE:
348 <221> NAME/KEY: MISC_FEATURE
349 <222> LOCATION: (6)..(6) ✓
350 <223> OTHER INFORMATION: norvaline-(CO)
353 <220> FEATURE:
354 <221> NAME/KEY: MISC_FEATURE
355 <222> LOCATION: (8)..(9)
356 <223> OTHER INFORMATION: D-amino acids
359 <400> SEQUENCE: 10
W--> 361 Glu Glu Val Val Pro Xaa Gly Met Ser Tyr Ser
362 1 5 10
365 <210> SEQ ID NO: 11
366 <211> LENGTH: 11

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 7,8
Seq#:2; Xaa Pos. 2,5
Seq#:3; Xaa Pos. 8
Seq#:4; Xaa Pos. 8
Seq#:5; Xaa Pos. 6
Seq#:6; Xaa Pos. 6
Seq#:7; Xaa Pos. 6
Seq#:8; Xaa Pos. 6
Seq#:9; Xaa Pos. 6
Seq#:10; Xaa Pos. 6
Seq#:11; Xaa Pos. 6
Seq#:12; Xaa Pos. 6
Seq#:13; Xaa Pos. 6
Seq#:14; Xaa Pos. 6
Seq#:15; Xaa Pos. 6
Seq#:16; Xaa Pos. 6
Seq#:17; Xaa Pos. 6
Seq#:18; Xaa Pos. 6
Seq#:19; Xaa Pos. 6
Seq#:20; Xaa Pos. 6
Seq#:21; Xaa Pos. 6
Seq#:22; Xaa Pos. 6
Seq#:23; Xaa Pos. 6
Seq#:24; Xaa Pos. 6
Seq#:25; Xaa Pos. 6
Seq#:26; Xaa Pos. 6
Seq#:27; Xaa Pos. 6
Seq#:28; Xaa Pos. 6
Seq#:29; Xaa Pos. 6
Seq#:30; Xaa Pos. 6
Seq#:31; Xaa Pos. 6
Seq#:32; Xaa Pos. 6
Seq#:33; Xaa Pos. 6
Seq#:34; Xaa Pos. 6
Seq#:35; Xaa Pos. 6
Seq#:36; Xaa Pos. 6
Seq#:37; Xaa Pos. 6
Seq#:38; Xaa Pos. 6
Seq#:39; Xaa Pos. 6
Seq#:40; Xaa Pos. 6
Seq#:41; Xaa Pos. 6
Seq#:42; Xaa Pos. 6,8
Seq#:43; Xaa Pos. 6,8
Seq#:44; Xaa Pos. 6,8

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Seq#:45; Xaa Pos. 6,8
Seq#:46; Xaa Pos. 6,8
Seq#:47; Xaa Pos. 6
Seq#:48; Xaa Pos. 6
Seq#:49; Xaa Pos. 6
Seq#:50; Xaa Pos. 6
Seq#:51; Xaa Pos. 6